

Table 4. Census regions and divisions: Percent distribution of employed persons by occupation, sex, race, and Hispanic origin, 2002 annual averages

Population group and occupation	Northeast			Midwest			South			West			
	Total	New England	Middle Atlantic	Total	East North Central	West North Central	Total	South Atlantic	East South Central	West South Central	Total	Mountain	Pacific
TOTAL													
Total (in thousands)	26,026	7,190	18,836	32,247	22,024	10,223	47,861	25,255	7,821	14,785	30,811	9,148	21,663
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	33.7	35.6	33.0	29.7	29.7	29.8	30.4	32.0	28.4	28.8	31.6	30.5	32.0
Executive, administrative, and managerial	16.0	16.7	15.7	14.3	14.4	14.1	14.8	15.7	14.1	13.8	15.5	15.4	15.5
Professional specialty	17.7	18.9	17.3	15.4	15.3	15.7	15.6	16.3	14.3	15.0	16.1	15.2	16.5
Engineers	1.5	1.9	1.3	1.5	1.6	1.3	1.4	1.5	1.1	1.3	1.7	1.6	1.7
Mathematical and computer scientists	1.6	1.8	1.6	1.3	1.3	1.4	1.3	1.6	.9	1.1	1.8	1.6	1.9
Health diagnosing occupations	1.1	1.0	1.1	.8	.8	.7	.8	.8	.8	.8	.7	.8	.8
Health assessment and treating occupations	2.7	2.7	2.6	2.6	2.7	2.7	2.4	2.5	2.5	2.3	1.9	2.0	1.8
Teachers, except College and university	4.5	4.6	4.4	3.8	3.8	3.9	4.3	4.2	4.2	4.7	3.9	3.8	3.9
Technical, sales, and administrative support	28.9	28.2	29.2	28.3	28.1	28.8	28.5	28.3	28.4	28.7	28.5	29.0	28.4
Technicians and related support	3.4	3.3	3.4	3.2	3.2	3.3	3.4	3.4	3.4	3.3	3.3	3.5	3.2
Health technologists and technicians	1.5	1.3	1.5	1.4	1.4	1.5	1.4	1.4	1.6	1.5	1.1	1.2	1.1
Engineering and science technicians .....	.8	1.0	.7	.9	.9	.9	.9	.9	1.0	1.0	1.1	1.2	1.1
Sales occupations	11.7	12.0	11.6	11.7	11.7	11.7	12.2	12.2	11.6	12.4	11.9	12.0	11.9
Supervisors and proprietors	3.5	3.7	3.4	3.4	3.4	3.6	3.7	3.6	3.7	3.7	3.5	3.6	3.5
Sales representatives, finance and business services	2.3	2.3	2.3	2.0	2.0	2.2	2.1	2.3	1.8	2.0	2.3	2.5	2.2
Sales representatives, commodities, except retail	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.0	1.3	1.1	1.0	1.1
Sales workers, retail and personal services	4.8	4.9	4.7	5.0	5.1	4.7	5.1	5.1	5.0	5.2	5.0	5.0	5.0
Administrative support, including clerical	13.9	12.9	14.2	13.4	13.2	13.9	12.9	12.7	13.4	13.0	13.4	13.5	13.3
Computer equipment operators .....	.2	.2	.3	.2	.2	.2	.2	.3	.2	.2	.2	.3	.2
Secretaries, stenographers, and typists	2.7	2.0	2.9	2.3	2.3	2.4	2.1	2.0	2.3	2.1	1.9	1.8	1.9
Financial records processing	1.6	1.5	1.6	1.7	1.7	1.7	1.6	1.5	2.0	1.6	1.5	1.6	1.5
Mail and message distributing .....	.8	.6	.8	.7	.7	.8	.6	.6	.6	.6	.6	.7	.6
Service occupations	14.7	13.5	15.2	13.7	13.7	13.6	13.8	13.8	12.6	14.4	14.4	15.0	14.2
Private household .....	.5	.5	.5	.4	.4	.3	.6	.6	.3	.7	.8	.5	.9
Protective service	1.9	1.7	2.1	1.7	1.8	1.4	2.1	2.0	2.0	2.1	1.9	1.9	1.9
Service, except private household and protective	12.3	11.4	12.7	11.6	11.5	11.9	11.2	11.2	10.3	11.6	11.7	12.5	11.4
Food service	4.9	4.6	5.0	4.9	4.9	4.9	4.7	4.7	4.1	4.9	5.0	5.7	4.7
Health service	2.7	2.4	2.8	2.1	2.1	2.3	1.9	1.9	1.9	2.0	1.7	1.4	1.8
Cleaning and building service	2.4	2.1	2.5	2.2	2.2	2.2	2.3	2.3	2.0	2.4	2.4	2.6	2.4
Personal service	2.4	2.3	2.4	2.4	2.3	2.5	2.3	2.3	2.3	2.3	2.6	2.8	2.6
Precision production, craft, and repair	9.4	10.3	9.1	10.8	10.9	10.7	11.4	11.2	11.3	11.8	10.8	11.7	10.4
Mechanics and repairers	3.0	3.0	3.0	3.6	3.5	3.7	3.7	3.8	3.6	3.7	3.4	3.4	3.4
Construction trades	4.1	4.8	3.8	4.3	4.3	4.3	5.0	5.0	4.7	5.2	4.8	5.7	4.4
Operators, fabricators, and laborers	11.7	10.7	12.1	14.7	15.6	12.8	13.4	12.5	16.6	13.2	11.5	10.8	11.9
Machine operators, assemblers, and inspectors	4.2	4.3	4.1	6.1	6.8	4.8	4.8	4.4	7.2	4.2	3.7	3.0	4.0
Transportation and material moving occupations	4.1	3.3	4.4	4.4	4.5	4.1	4.5	4.3	5.1	4.7	3.8	3.8	3.9
Motor vehicle operators	3.4	2.7	3.7	3.2	3.3	3.1	3.4	3.3	3.7	3.4	3.0	3.0	3.1
Handlers, equipment cleaners, helpers, and laborers	3.4	3.1	3.6	4.2	4.3	4.0	4.0	3.8	4.3	4.3	4.0	3.9	4.0
Construction laborers .....	.6	.6	.6	.7	.7	.7	.8	.9	.7	.8	1.0	1.0	1.0
Farming, forestry, and fishing	1.5	1.7	1.5	2.8	2.1	4.2	2.6	2.3	2.7	3.1	3.2	3.0	3.2
Farm operators and managers .....	.4	.3	.4	1.4	.9	2.5	.8	.5	1.0	1.2	.7	.9	.6

See footnotes at end of table.

Table 4. Census regions and divisions: Percent distribution of employed persons by occupation, sex, race, and Hispanic origin, 2002 annual averages — Continued

Population group and occupation	Northeast			Midwest			South			West			
	Total	New England	Middle Atlantic	Total	East North Central	West North Central	Total	South Atlantic	East South Central	West South Central	Total	Mountain	Pacific
Men													
Total (in thousands)	13,683	3,747	9,936	16,917	11,615	5,302	25,654	13,435	4,121	8,098	16,911	5,088	11,823
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	32.1	33.7	31.4	27.4	27.7	26.8	27.8	29.3	26.1	26.2	29.3	29.1	29.4
Executive, administrative, and managerial	16.9	17.3	16.7	14.5	14.7	14.1	15.1	15.9	14.5	14.1	14.9	15.4	14.7
Professional specialty	15.2	16.4	14.7	12.9	13.0	12.7	12.7	13.4	11.6	12.1	14.4	13.7	14.8
Engineers	2.5	3.2	2.2	2.5	2.7	2.2	2.3	2.4	1.8	2.2	2.7	2.7	2.8
Mathematical and computer scientists	2.1	2.4	2.0	1.6	1.6	1.7	1.7	2.0	1.3	1.5	2.4	2.2	2.4
Health diagnosing occupations	1.4	1.2	1.5	1.1	1.2	1.0	1.1	1.1	1.3	1.1	1.0	1.0	1.0
Health assessment and treating occupations .....	.7	.7	.6	.6	.5	.7	.7	.6	.8	.6	.5	.6	.5
Teachers, except College and university	2.2	2.3	2.2	1.9	1.9	1.7	1.8	1.7	1.8	1.9	2.0	1.9	2.0
Technical, sales, and administrative support	20.0	19.7	20.1	18.7	18.3	19.5	19.5	19.6	18.8	19.8	20.2	19.7	20.4
Technicians and related support	2.8	2.9	2.8	2.5	2.6	2.5	2.9	3.0	2.7	2.9	3.0	3.2	3.0
Health technologists and technicians .....	.6	.5	.6	.4	.4	.3	.5	.5	.5	.5	.5	.5	.5
Engineering and science technicians	1.1	1.4	1.0	1.2	1.1	1.3	1.3	1.2	1.5	1.4	1.4	1.6	1.4
Sales occupations	11.3	11.4	11.3	11.2	11.1	11.5	11.5	11.5	10.7	11.7	11.4	10.9	11.6
Supervisors and proprietors	4.0	4.1	3.9	3.9	3.7	4.1	4.1	4.0	4.2	4.1	4.0	3.8	4.1
Sales representatives, finance and business services	2.5	2.4	2.6	2.2	2.2	2.4	2.0	2.1	1.8	2.0	2.3	2.6	2.2
Sales representatives, commodities, except retail	1.5	1.6	1.5	1.7	1.7	1.7	1.7	1.6	1.5	1.9	1.4	1.3	1.5
Sales workers, retail and personal services	3.3	3.3	3.3	3.4	3.4	3.2	3.6	3.7	3.1	3.6	3.6	3.3	3.7
Administrative support, including clerical	5.8	5.4	5.9	4.9	4.7	5.5	5.1	5.0	5.4	5.2	5.8	5.6	5.9
Computer equipment operators .....	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3	.2
Secretaries, stenographers, and typists .....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Financial records processing .....	.3	.2	.3	.2	.2	.3	.3	.2	.3	.3	.3	.3	.2
Mail and message distributing	1.0	.8	1.1	.8	.7	.8	.7	.7	.7	.6	.6	.7	.6
Service occupations	11.7	10.3	12.2	9.6	9.9	9.1	10.1	10.5	8.5	10.3	11.3	11.7	11.1
Private household .....	.1	(1)	(1)	(1)	(1)	(1)	.1	.1	(1)	.1	.1	.1	.1
Protective service	3.1	2.6	3.2	2.6	2.8	2.1	3.0	3.0	2.8	3.0	2.8	2.9	2.8
Service, except private household and protective	8.6	7.6	9.0	7.0	7.0	6.9	7.1	7.4	5.7	7.2	8.4	8.8	8.2
Food service	4.4	3.8	4.6	3.5	3.6	3.5	3.8	4.0	2.7	4.0	4.5	4.8	4.3
Health service .....	.5	.5	.5	.4	.4	.4	.3	.3	.2	.4	.5	.4	.5
Cleaning and building service	2.7	2.4	2.9	2.3	2.3	2.3	2.1	2.2	2.0	2.2	2.4	2.2	2.4
Personal service .....	.9	.9	1.0	.7	.8	.7	.8	.9	.7	.7	1.0	1.3	.9
Precision production, craft, and repair	16.6	18.2	15.9	18.8	18.8	18.9	19.5	19.3	19.2	19.9	18.1	19.5	17.5
Mechanics and repairers	5.5	5.6	5.5	6.5	6.3	6.9	6.7	6.8	6.4	6.5	5.9	5.8	6.0
Construction trades	7.6	9.0	7.0	8.0	7.9	8.2	9.1	9.2	8.7	9.2	8.6	10.1	7.9
Operators, fabricators, and laborers	17.4	15.7	18.1	21.3	22.4	19.1	19.2	17.9	23.3	19.2	16.5	15.7	16.9
Machine operators, assemblers, and inspectors	5.2	5.2	5.1	7.8	8.5	6.1	5.6	5.0	8.5	5.2	4.4	3.7	4.6
Transportation and material moving occupations	7.0	5.7	7.5	7.4	7.5	7.1	7.6	7.2	8.7	7.8	6.3	6.1	6.4
Motor vehicle operators	5.7	4.7	6.1	5.4	5.4	5.3	5.6	5.5	6.1	5.5	4.8	4.6	5.0
Handlers, equipment cleaners, helpers, and laborers	5.2	4.7	5.5	6.2	6.3	5.9	6.0	5.8	6.1	6.2	5.9	5.9	5.9
Construction laborers	1.2	1.1	1.2	1.3	1.3	1.3	1.5	1.6	1.2	1.4	1.7	1.8	1.7
Farming, forestry, and fishing	2.2	2.4	2.2	4.1	3.0	6.5	3.9	3.5	4.0	4.6	4.5	4.3	4.6
Farm operators and managers .....	.6	.4	.6	2.1	1.3	3.9	1.2	.8	1.5	1.7	.9	1.2	.8

See footnotes at end of table.

Table 4. Census regions and divisions: Percent distribution of employed persons by occupation, sex, race, and Hispanic origin, 2002 annual averages — Continued

Population group and occupation	Northeast			Midwest			South			West			
	Total	New England	Middle Atlantic	Total	East North Central	West North Central	Total	South Atlantic	East South Central	West South Central	Total	Mountain	Pacific
Women													
Total (in thousands)	12,343	3,443	8,900	15,330	10,409	4,921	22,207	11,820	3,700	6,687	13,900	4,060	9,840
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	35.5	37.7	34.6	32.2	31.9	32.9	33.5	35.1	31.0	32.0	34.3	32.4	35.1
Executive, administrative, and managerial	15.0	16.1	14.5	14.0	14.0	14.0	14.6	15.5	13.6	13.5	16.2	15.4	16.5
Professional specialty	20.5	21.5	20.1	18.2	17.9	19.0	18.9	19.6	17.4	18.5	18.1	17.0	18.6
Engineers .....	.3	.5	.3	.3	.4	.3	.3	.4	.3	.2	.4	.3	.4
Mathematical and computer scientists	1.1	1.1	1.0	.9	.9	1.0	.9	1.1	.5	.6	1.2	.8	1.3
Health diagnosing occupations .....	.7	.7	.7	.5	.5	.5	.5	.5	.3	.5	.5	.3	.6
Health assessment and treating occupations	4.9	4.8	4.9	4.8	4.9	4.8	4.5	4.7	4.4	4.2	3.5	3.8	3.4
Teachers, except College and university	6.9	7.1	6.9	6.0	5.9	6.2	7.3	7.0	6.9	8.0	6.2	6.1	6.2
Technical, sales, and administrative support	38.8	37.4	39.4	39.0	39.0	38.9	38.8	38.3	39.1	39.5	38.7	40.6	37.9
Technicians and related support	4.0	3.8	4.1	3.9	3.8	4.1	3.9	3.8	4.2	3.9	3.5	3.8	3.4
Health technologists and technicians	2.5	2.2	2.6	2.6	2.6	2.7	2.5	2.4	2.8	2.6	1.9	2.0	1.9
Engineering and science technicians .....	.5	.7	.4	.6	.6	.5	.5	.5	.4	.5	.7	.7	.7
Sales occupations	12.1	12.7	11.8	12.2	12.4	11.9	12.9	13.0	12.6	13.1	12.6	13.4	12.3
Supervisors and proprietors	2.9	3.3	2.8	2.9	2.9	3.0	3.2	3.1	3.1	3.2	2.9	3.3	2.7
Sales representatives, finance and business services	2.0	2.1	2.0	1.8	1.8	1.9	2.2	2.4	1.7	2.1	2.2	2.3	2.2
Sales representatives, commodities, except retail .....	.6	.6	.6	.7	.7	.6	.6	.7	.5	.5	.6	.6	.6
Sales workers, retail and personal services	6.4	6.7	6.3	6.7	6.9	6.3	6.9	6.6	7.2	7.1	6.8	7.0	6.6
Administrative support, including clerical	22.8	20.9	23.5	22.8	22.8	22.9	21.9	21.5	22.4	22.5	22.5	23.4	22.2
Computer equipment operators .....	.3	.2	.3	.2	.2	.3	.2	.3	.2	.2	.2	.2	.2
Secretaries, stenographers, and typists	5.5	4.0	6.0	4.8	4.8	4.9	4.4	4.2	4.8	4.5	4.0	3.9	4.0
Financial records processing	3.1	3.0	3.1	3.3	3.3	3.3	3.2	3.0	3.8	3.2	3.1	3.3	3.0
Mail and message distributing .....	.5	.4	.6	.7	.7	.7	.5	.5	.4	.6	.5	.6	.5
Service occupations	18.1	17.0	18.5	18.1	17.9	18.5	18.1	17.6	17.2	19.5	18.2	19.1	17.9
Private household .....	.9	.8	.9	.8	.8	.6	1.2	1.2	.7	1.4	1.6	1.1	1.8
Protective service .....	.7	.7	.7	.6	.7	.6	1.0	.9	1.0	1.1	.8	.8	.8
Service, except private household and protective	16.4	15.5	16.8	16.7	16.4	17.3	15.9	15.5	15.5	16.9	15.8	17.3	15.2
Food service	5.5	5.4	5.5	6.4	6.3	6.5	5.7	5.5	5.8	6.0	5.6	6.7	5.1
Health service	5.0	4.5	5.2	4.0	3.9	4.2	3.8	3.7	3.8	4.0	3.1	2.8	3.2
Cleaning and building service	1.9	1.8	2.0	2.1	2.1	2.1	2.4	2.4	2.0	2.6	2.5	3.1	2.3
Personal service	4.0	3.8	4.1	4.2	4.1	4.5	4.0	3.8	3.9	4.3	4.6	4.7	4.5
Precision production, craft, and repair	1.5	1.8	1.4	2.0	2.0	1.9	2.0	1.9	2.4	1.9	1.9	2.0	1.9
Mechanics and repairers .....	.3	.2	.3	.3	.3	.4	.4	.4	.5	.3	.3	.3	.3
Construction trades .....	.2	.2	.2	.2	.3	.2	.3	.3	.2	.2	.2	.3	.2
Operators, fabricators, and laborers	5.4	5.3	5.4	7.4	8.1	6.0	6.6	6.3	9.2	5.8	5.4	4.5	5.8
Machine operators, assemblers, and inspectors	3.1	3.4	2.9	4.3	4.8	3.3	3.8	3.8	5.7	2.9	2.9	2.1	3.3
Transportation and material moving occupations .....	.9	.6	1.0	1.0	1.1	.8	1.0	1.0	1.2	.9	.9	1.0	.8
Motor vehicle operators .....	.8	.6	.9	.9	.9	.7	.9	.8	1.1	.8	.8	.9	.8
Handlers, equipment cleaners, helpers, and laborers	1.4	1.3	1.5	2.1	2.2	1.9	1.8	1.5	2.3	2.0	1.6	1.5	1.7
Construction laborers	(1)	(1)	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Farming, forestry, and fishing .....	.7	.9	.6	1.3	1.1	1.8	1.0	.9	1.1	1.2	1.5	1.4	1.5
Farm operators and managers .....	.2	.2	.2	.7	.6	1.1	.4	.3	.5	.6	.4	.6	.3

See footnotes at end of table.

Table 4. Census regions and divisions: Percent distribution of employed persons by occupation, sex, race, and Hispanic origin, 2002 annual averages — Continued

Population group and occupation	Northeast			Midwest			South			West			
	Total	New England	Middle Atlantic	Total	East North Central	West North Central	Total	South Atlantic	East South Central	West South Central	Total	Mountain	Pacific
White													
Total (in thousands)	22,046	6,524	15,522	28,746	19,280	9,467	37,757	19,264	6,306	12,186	25,772	8,395	17,377
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	34.6	36.4	33.9	30.0	30.1	29.9	32.1	34.1	30.8	29.7	31.5	30.9	31.7
Executive, administrative, and managerial	16.8	17.4	16.5	14.7	14.9	14.3	16.0	17.1	15.5	14.6	15.6	15.7	15.5
Professional specialty	17.9	18.9	17.4	15.3	15.2	15.6	16.1	17.0	15.3	15.1	15.9	15.1	16.2
Engineers	1.5	1.9	1.4	1.5	1.6	1.2	1.5	1.6	1.2	1.3	1.6	1.6	1.6
Mathematical and computer scientists	1.4	1.5	1.4	1.2	1.2	1.3	1.3	1.6	1.0	1.0	1.6	1.6	1.5
Health diagnosing occupations	1.0	.9	1.1	.7	.8	.7	.9	.9	.9	.8	.7	.7	.7
Health assessment and treating occupations	2.6	2.7	2.5	2.6	2.6	2.7	2.4	2.5	2.7	2.2	1.8	2.0	1.7
Teachers, except College and university	4.7	4.8	4.7	3.9	3.9	4.0	4.5	4.3	4.3	4.8	4.1	3.8	4.2
Technical, sales, and administrative support	29.0	28.3	29.3	28.4	28.0	29.2	28.8	28.7	29.1	28.7	28.4	29.0	28.1
Technicians and related support	3.3	3.3	3.3	3.2	3.1	3.3	3.4	3.4	3.5	3.3	3.1	3.5	3.0
Health technologists and technicians	1.4	1.3	1.5	1.4	1.4	1.5	1.3	1.3	1.5	1.3	1.1	1.2	1.1
Engineering and science technicians .....	.9	1.0	.8	.9	.9	.9	1.0	.9	1.0	1.0	1.0	1.2	.9
Sales occupations	12.0	12.2	11.9	12.0	12.0	11.9	12.7	12.8	12.3	12.8	12.2	12.2	12.3
Supervisors and proprietors	3.7	3.8	3.6	3.6	3.5	3.7	4.0	3.9	4.1	4.0	3.6	3.6	3.6
Sales representatives, finance and business services	2.5	2.4	2.5	2.1	2.0	2.2	2.3	2.5	2.0	2.1	2.4	2.5	2.3
Sales representatives, commodities, except retail	1.2	1.2	1.2	1.3	1.3	1.2	1.4	1.4	1.2	1.5	1.2	1.0	1.3
Sales workers, retail and personal services	4.6	4.8	4.5	4.9	5.1	4.7	5.0	4.9	5.0	5.2	5.0	5.0	5.0
Administrative support, including clerical	13.7	12.8	14.1	13.3	12.9	14.0	12.7	12.4	13.3	12.7	13.0	13.4	12.9
Computer equipment operators .....	.2	.1	.3	.3	.3	.2	.2	.3	.2	.2	.2	.2	.1
Secretaries, stenographers, and typists	2.7	2.0	3.0	2.3	2.3	2.5	2.3	2.2	2.5	2.3	1.9	1.8	2.0
Financial records processing	1.7	1.6	1.7	1.7	1.7	1.8	1.8	1.7	2.2	1.7	1.6	1.7	1.5
Mail and message distributing .....	.7	.6	.8	.7	.6	.7	.5	.5	.5	.5	.5	.6	.4
Service occupations	13.4	12.6	13.7	12.7	12.6	13.0	11.9	11.6	10.6	13.1	13.9	14.4	13.6
Private household .....	.4	.4	.4	.4	.4	.3	.6	.6	.3	.7	.8	.5	.9
Protective service	1.8	1.5	1.9	1.5	1.7	1.3	1.8	1.8	1.8	1.9	1.8	1.9	1.8
Service, except private household and protective	11.2	10.7	11.4	10.8	10.5	11.4	9.6	9.3	8.5	10.5	11.3	12.0	10.9
Food service	4.9	4.5	5.0	4.8	4.7	4.8	4.3	4.4	3.6	4.7	5.0	5.5	4.7
Health service	1.8	1.9	1.8	1.8	1.7	2.0	1.3	1.2	1.3	1.6	1.4	1.4	1.5
Cleaning and building service	2.2	2.0	2.3	2.0	2.0	2.1	1.8	1.7	1.5	2.2	2.4	2.5	2.3
Personal service	2.2	2.2	2.3	2.2	2.1	2.4	2.1	2.0	2.1	2.1	2.5	2.6	2.4
Precision production, craft, and repair	10.0	10.7	9.7	11.4	11.6	11.0	12.2	12.0	12.1	12.6	11.3	11.9	11.1
Mechanics and repairers	3.2	3.1	3.3	3.7	3.7	3.8	4.0	4.1	4.0	3.9	3.5	3.5	3.5
Construction trades	4.4	5.1	4.1	4.6	4.6	4.5	5.5	5.6	5.1	5.6	5.2	5.8	5.0
Operators, fabricators, and laborers	11.2	10.3	11.7	14.4	15.4	12.4	12.1	11.0	14.5	12.5	11.6	10.6	12.0
Machine operators, assemblers, and inspectors	4.1	4.1	4.1	5.9	6.6	4.4	4.2	3.7	6.1	3.9	3.7	2.9	4.0
Transportation and material moving occupations	3.8	3.2	4.1	4.4	4.5	4.1	4.2	3.8	4.9	4.4	3.9	3.8	4.0
Motor vehicle operators	3.1	2.7	3.3	3.3	3.3	3.1	3.2	3.0	3.6	3.1	3.1	3.0	3.1
Handlers, equipment cleaners, helpers, and laborers	3.3	3.0	3.5	4.2	4.3	3.9	3.7	3.4	3.5	4.2	4.0	3.9	4.0
Construction laborers .....	.6	.6	.6	.8	.8	.7	.9	1.0	.6	.8	1.1	1.1	1.1
Farming, forestry, and fishing	1.7	1.8	1.7	3.0	2.3	4.5	2.9	2.5	2.9	3.4	3.4	3.2	3.5
Farm operators and managers .....	.5	.3	.5	1.6	1.1	2.7	1.0	.6	1.3	1.5	.7	1.0	.6

See footnotes at end of table.

Table 4. Census regions and divisions: Percent distribution of employed persons by occupation, sex, race, and Hispanic origin, 2002 annual averages — Continued

Population group and occupation	Northeast			Midwest			South			West			
	Total	New England	Middle Atlantic	Total	East North Central	West North Central	Total	South Atlantic	East South Central	West South Central	Total	Mountain	Pacific
Black													
Total (in thousands)	2,664	417	2,247	2,549	2,090	459	8,457	5,109	1,400	1,949	1,296	221	1,075
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	23.3	20.6	23.9	22.1	22.3	21.0	21.9	23.5	17.6	20.7	28.1	26.7	28.4
Executive, administrative, and managerial	10.1	8.6	10.4	10.4	10.5	10.1	10.0	10.7	8.5	9.4	14.0	11.0	14.6
Professional specialty	13.2	12.0	13.4	11.7	11.9	10.8	11.9	12.8	9.1	11.3	14.1	15.6	13.8
Engineers .....	.7	.6	.7	.6	.5	.7	.6	.5	.5	.5	.7	1.7	.5
Mathematical and computer scientists	1.0	.8	1.0	.9	1.1	.2	.9	1.1	.5	.7	1.7	2.2	1.6
Health diagnosing occupations .....	.5	.7	.5	.5	.5	.5	.3	.4	(1)	.1	.2	(1)	.3
Health assessment and treating occupations	2.5	1.8	2.6	1.9	1.9	1.5	2.1	2.5	1.6	1.6	2.1	2.6	2.0
Teachers, except College and university	3.4	2.4	3.5	3.7	3.7	3.5	4.1	4.2	3.8	4.1	3.5	5.5	3.1
Technical, sales, and administrative support	28.7	27.6	28.9	29.4	29.7	28.4	27.2	27.2	25.3	28.7	30.9	33.8	30.3
Technicians and related support	2.9	3.1	2.9	2.5	2.7	1.6	3.1	3.1	3.0	3.3	2.7	3.5	2.5
Health technologists and technicians	2.0	2.1	1.9	1.6	1.7	1.1	1.9	1.7	1.7	2.4	1.4	1.8	1.4
Engineering and science technicians .....	.5	.9	.4	.5	.5	.1	.7	.7	.9	.6	.9	.9	.9
Sales occupations	8.6	8.5	8.6	9.3	9.1	10.0	9.4	9.7	8.4	9.3	9.7	10.7	9.5
Supervisors and proprietors	1.6	1.9	1.6	2.0	2.0	2.0	2.2	2.3	1.9	2.1	2.5	2.9	2.4
Sales representatives, finance and business services	1.1	.5	1.2	1.5	1.5	1.4	1.3	1.5	.9	1.2	1.6	2.6	1.4
Sales representatives, commodities, except retail .....	.2	.4	.2	.4	.3	.7	.3	.3	.1	.5	.3	.5	.3
Sales workers, retail and personal services	5.6	5.7	5.6	5.3	5.3	5.8	5.5	5.5	5.4	5.4	5.2	4.7	5.3
Administrative support, including clerical	17.2	15.9	17.4	17.6	17.8	16.8	14.7	14.4	13.9	16.1	18.5	19.6	18.3
Computer equipment operators .....	.3	.5	.2	.2	.2	.3	.2	.2	.4	.1	.5	1.0	.4
Secretaries, stenographers, and typists	2.6	1.6	2.8	3.0	3.1	2.3	1.5	1.7	1.4	1.2	1.8	1.9	1.8
Financial records processing	1.3	1.4	1.3	1.3	1.4	1.0	1.2	1.2	.8	1.5	1.0	1.1	1.0
Mail and message distributing	1.3	1.2	1.4	1.7	1.7	1.7	1.0	1.0	.7	1.3	1.7	1.2	1.8
Service occupations	26.6	28.2	26.3	24.0	23.7	25.4	21.5	21.3	20.9	22.7	19.7	19.3	19.8
Private household .....	.8	1.0	.8	.4	.4	.5	.6	.7	.6	.6	.6	.3	.7
Protective service	3.8	4.5	3.7	3.0	3.0	3.0	3.3	3.2	2.7	4.2	4.8	3.9	4.9
Service, except private household and protective	22.0	22.8	21.9	20.6	20.3	21.9	17.6	17.5	17.6	17.9	14.3	15.1	14.1
Food service	4.6	4.9	4.5	5.7	5.6	6.0	5.7	5.5	6.0	6.1	3.2	4.8	2.9
Health service	9.7	10.1	9.6	5.8	5.5	7.2	4.8	4.7	5.0	5.1	4.1	1.9	4.6
Cleaning and building service	4.2	3.9	4.3	4.8	4.8	4.5	4.3	4.5	4.3	3.6	3.7	3.9	3.7
Personal service	3.5	3.9	3.5	4.4	4.4	4.1	2.8	2.8	2.3	3.2	3.3	4.5	3.0
Precision production, craft, and repair	6.4	6.5	6.3	5.8	5.6	6.8	8.0	8.1	7.8	7.9	7.4	7.8	7.4
Mechanics and repairers	2.1	2.2	2.1	2.3	2.1	3.1	2.7	3.0	1.7	2.7	3.2	1.3	3.5
Construction trades	2.9	2.5	2.9	1.9	1.9	1.7	3.1	3.2	2.9	3.1	2.2	4.7	1.7
Operators, fabricators, and laborers	14.6	16.6	14.2	18.1	18.2	18.0	19.8	18.3	26.7	18.7	12.6	11.9	12.7
Machine operators, assemblers, and inspectors	3.9	5.7	3.6	8.0	8.1	7.4	7.5	6.7	12.3	5.9	2.6	2.5	2.6
Transportation and material moving occupations	6.3	6.0	6.4	5.1	5.0	5.2	6.7	6.4	6.6	7.3	5.8	4.1	6.1
Motor vehicle operators	5.4	5.0	5.5	3.7	3.6	3.9	5.0	5.0	4.5	5.6	5.2	3.5	5.5
Handlers, equipment cleaners, helpers, and laborers	4.4	4.8	4.3	5.1	5.0	5.4	5.6	5.1	7.8	5.4	4.2	5.3	4.0
Construction laborers .....	.7	1.0	.7	.5	.5	.8	.7	.7	1.1	.7	.9	1.0	.9
Farming, forestry, and fishing .....	.3	.5	.3	.6	.6	.5	1.6	1.6	1.7	1.4	1.3	.5	1.4
Farm operators and managers .....	.1	(1)	(1)	(1)	(1)	(1)	.1	.1	.1	.1	.0	(1)	(1)

See footnotes at end of table.

Table 4. Census regions and divisions: Percent distribution of employed persons by occupation, sex, race, and Hispanic origin, 2002 annual averages — Continued

Population group and occupation	Northeast			Midwest			South			West			
	Total	New England	Middle Atlantic	Total	East North Central	West North Central	Total	South Atlantic	East South Central	West South Central	Total	Mountain	Pacific
Hispanic origin													
Total (in thousands)	2,201	388	1,812	1,476	1,147	330	6,036	2,368	164	3,505	7,079	1,791	5,288
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	16.2	12.9	16.9	14.3	14.3	14.5	15.6	17.2	11.8	14.7	13.8	14.3	13.7
Executive, administrative, and managerial	8.0	5.9	8.4	7.4	7.5	7.1	8.1	8.9	7.4	7.6	7.5	8.4	7.3
Professional specialty	8.3	7.0	8.5	6.9	6.8	7.4	7.5	8.3	4.4	7.0	6.3	5.9	6.4
Engineers .....	.3	.4	.3	.5	.4	.5	.5	.9	(1)	.2	.5	.6	.5
Mathematical and computer scientists .....	.6	.1	.7	.6	.5	1.2	.8	1.0	.4	.7	.5	.7	.4
Health diagnosing occupations .....	.5	.5	.5	.3	.4	.1	.5	.5	.6	.4	.2	.1	.2
Health assessment and treating occupations .....	.9	.5	1.0	.9	.9	1.1	.8	1.0	.1	.7	.5	.7	.5
Teachers, except College and university	2.6	3.1	2.6	1.8	1.9	1.4	2.1	1.7	.3	2.5	1.9	1.9	2.0
Technical, sales, and administrative support	23.1	23.2	23.0	20.7	21.6	17.5	23.5	22.9	14.1	24.4	23.2	22.7	23.4
Technicians and related support	1.9	2.3	1.8	1.8	1.6	2.5	2.2	2.0	1.6	2.4	2.0	2.3	1.9
Health technologists and technicians .....	.9	1.2	.9	.8	.7	.9	.9	.7	.7	1.1	1.1	.9	1.1
Engineering and science technicians .....	.2	.5	.2	.6	.5	.8	.7	.6	.3	.7	.6	.8	.5
Sales occupations	9.2	9.5	9.2	7.4	7.6	6.7	10.3	10.3	4.0	10.6	9.1	9.0	9.1
Supervisors and proprietors	2.1	2.0	2.1	1.7	1.6	1.8	2.7	3.1	1.5	2.6	2.3	2.6	2.2
Sales representatives, finance and business services	1.0	.5	1.1	.7	.6	1.0	1.1	1.0	.5	1.3	1.0	1.4	.9
Sales representatives, commodities, except retail .....	.3	.2	.3	.3	.2	.5	.7	1.0	.4	.6	.4	.4	.3
Sales workers, retail and personal services	5.9	6.8	5.7	4.7	5.2	2.9	5.6	5.2	1.7	6.0	5.4	4.6	5.7
Administrative support, including clerical	12.0	11.4	12.1	11.4	12.4	8.2	11.0	10.5	8.4	11.4	12.1	11.4	12.3
Computer equipment operators .....	.2	(1)	.3	.2	.2	(1)	.2	.2	(1)	.1	.1	.2	.1
Secretaries, stenographers, and typists	1.7	1.0	1.8	1.5	1.7	.7	1.6	1.6	.5	1.6	1.4	1.2	1.4
Financial records processing	1.2	1.0	1.3	1.4	1.7	.6	.9	.5	.9	1.2	1.1	1.0	1.1
Mail and message distributing .....	.7	.2	.8	.6	.5	1.0	.3	.4	.1	.3	.4	.6	.3
Service occupations	25.9	24.8	26.1	19.8	18.1	25.8	20.0	19.5	14.3	20.6	20.4	22.8	19.6
Private household	1.3	1.1	1.4	.4	.4	.4	1.7	1.9	.7	1.5	1.8	.9	2.1
Protective service	1.7	1.8	1.7	1.4	1.5	.9	1.7	1.7	.2	1.8	1.7	2.1	1.6
Service, except private household and protective	22.8	21.8	23.0	18.1	16.2	24.4	16.6	16.0	13.4	17.2	16.9	19.7	16.0
Food service	9.0	8.3	9.1	9.9	8.7	13.9	7.5	7.4	8.9	7.6	7.4	9.1	6.9
Health service	3.4	2.9	3.5	1.7	1.8	1.5	2.1	1.4	.9	2.6	1.9	1.7	1.9
Cleaning and building service	6.9	7.4	6.8	4.6	4.0	6.6	4.4	4.4	2.0	4.6	5.2	6.8	4.7
Personal service	3.5	3.2	3.6	1.9	1.7	2.4	2.5	2.7	1.7	2.4	2.4	2.2	2.5
Precision production, craft, and repair	10.5	10.8	10.4	13.8	13.5	15.1	17.5	16.4	28.2	17.7	14.8	17.1	14.0
Mechanics and repairers	3.0	2.1	3.2	3.0	3.3	2.1	3.8	3.7	3.2	3.9	3.5	3.2	3.6
Construction trades	4.3	3.8	4.4	6.1	5.5	8.0	9.8	9.7	17.8	9.4	7.7	10.4	6.7
Operators, fabricators, and laborers	22.2	26.6	21.3	27.8	29.4	22.3	19.1	18.2	23.6	19.4	20.6	17.8	21.6
Machine operators, assemblers, and inspectors	9.4	15.8	8.0	14.8	16.1	10.0	6.5	6.6	11.5	6.1	7.9	5.6	8.6
Transportation and material moving occupations	5.8	4.0	6.2	3.7	4.2	2.1	4.8	4.1	2.1	5.4	5.1	4.2	5.5
Motor vehicle operators	5.3	3.7	5.6	2.0	2.3	.9	3.4	3.3	.7	3.6	3.9	3.0	4.2
Handlers, equipment cleaners, helpers, and laborers	7.0	6.7	7.0	9.3	9.1	10.2	7.8	7.5	9.9	7.9	7.6	8.1	7.5
Construction laborers	1.7	1.3	1.8	1.7	1.6	2.0	2.4	3.0	3.5	1.9	2.3	2.6	2.2
Farming, forestry, and fishing	2.1	1.7	2.2	3.6	3.2	4.8	4.3	5.7	8.1	3.2	7.1	5.3	7.7
Farm operators and managers .....	.1	.1	.1	.2	(1)	.8	.3	.3	.4	.3	.4	.3	.4

1 Less than 500 persons or less than 0.05 percent.

NOTE: Totals for the summary groups published include other occupations not shown separately. Items may not compute to displayed percentages

because of rounding. Detail for race and Hispanic-origin groups will not add to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.